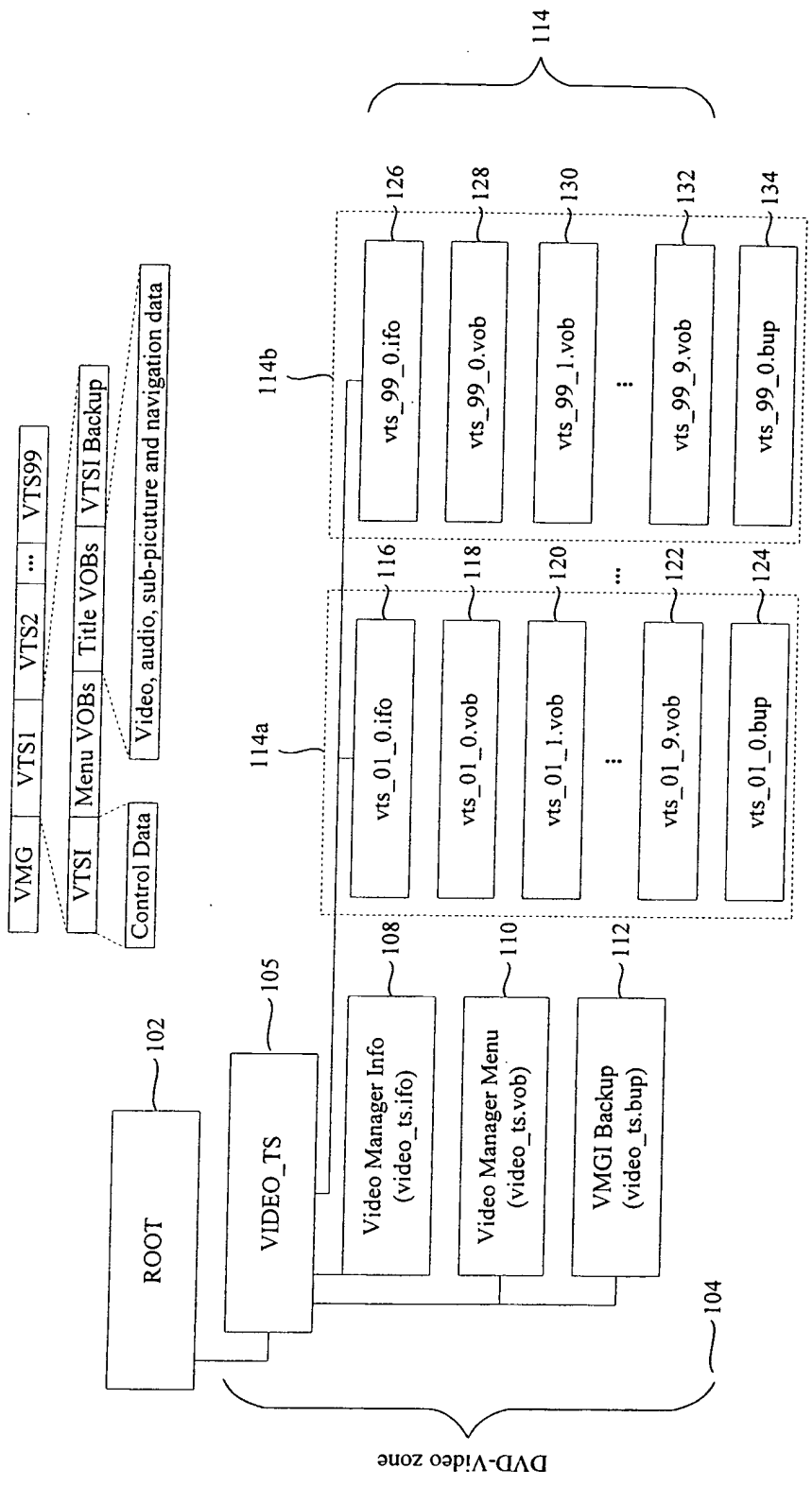
Figure 1


DVD-Video zone
104
ROOT
102
VIDEO_TS
105
Video Manager Info (video_ts.ifo)
108
Video Manager Menu (video_ts.vob)
110
VMGI Backup (video_ts.bup)
112
114a
vts_01_0.ifo
116
vts_01_0.vob
118
vts_01_1.vob
120
vts_01_9.vob
122
vts_01_0.bup
124
114b
vts_99_0.ifo
126
vts_99_0.vob
128
vts_99_1.vob
130
vts_99_9.vob
132
vts_99_0.bup
134
114
VMG
VTS1
VTS2
...
VTS99
VTSI
Menu VOBs
Title VOBs
VTSI Backup
Control Data
Video, audio, sub-picuture and navigation data

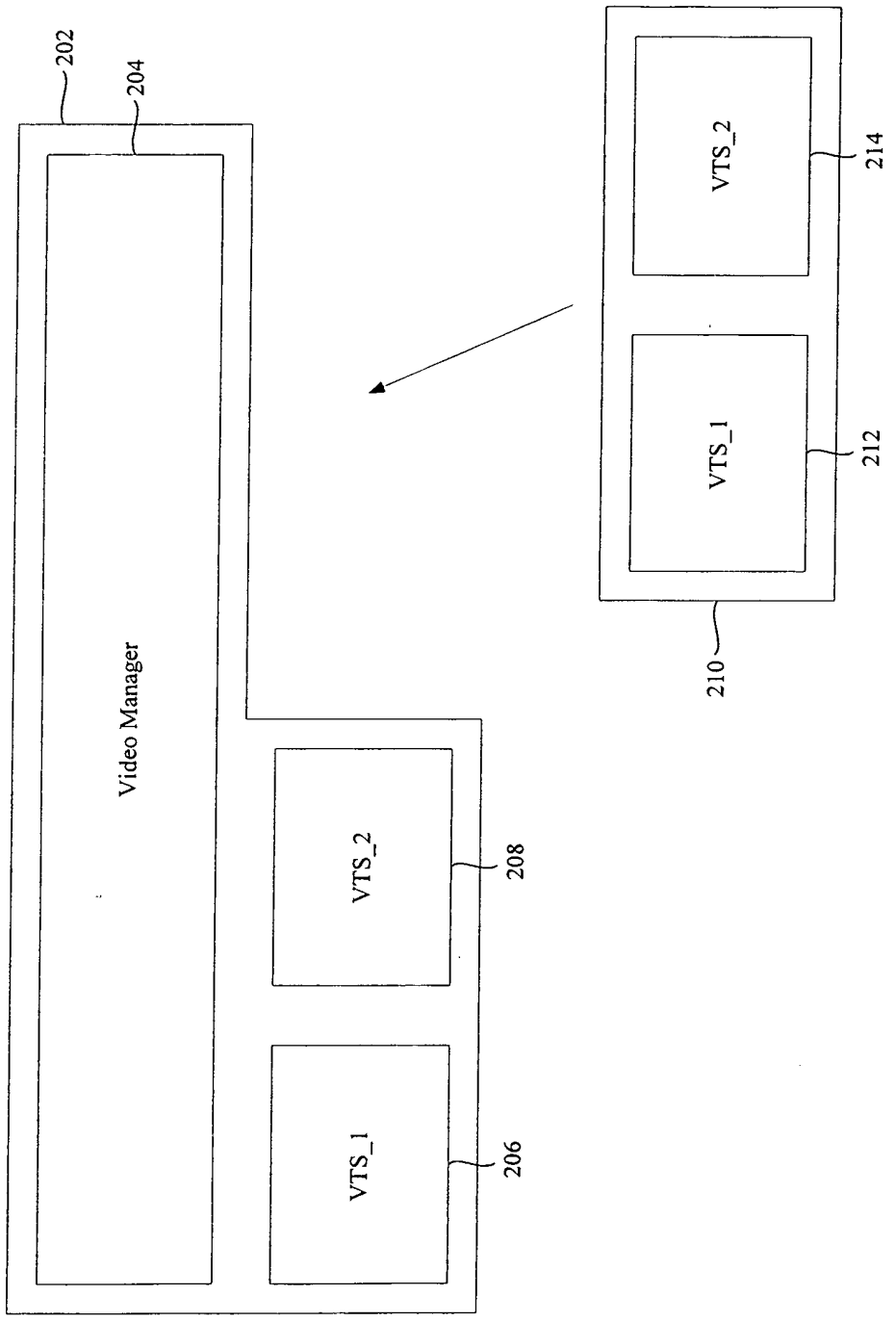


Figure 2

Figure 3

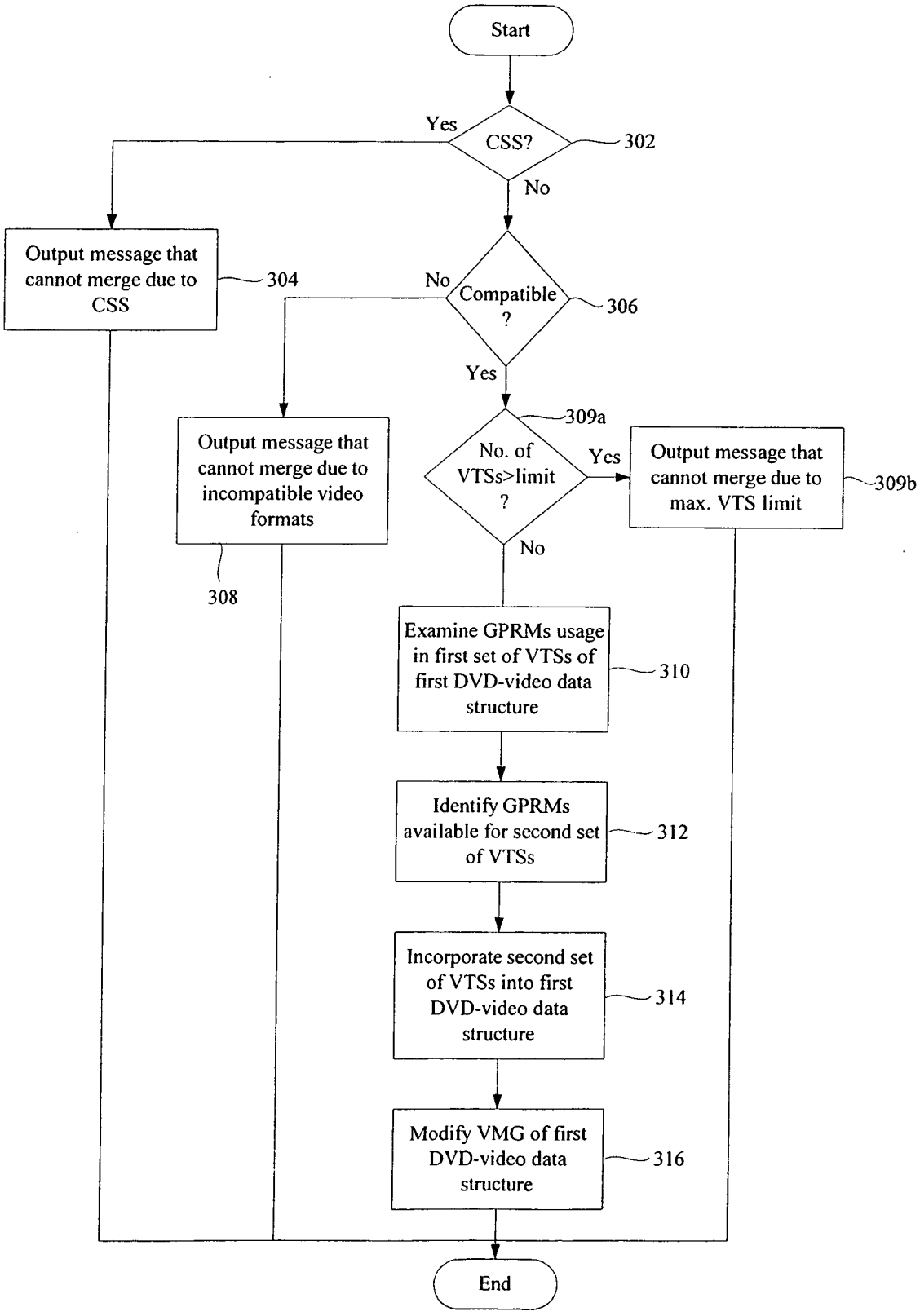

Start
CSS?
302
Yes
No
Output message that cannot merge due to CSS
304
Compatible ?
306
No
Yes
309a
No. of VTSs>limit ?
Yes
Output message that cannot merge due to max. VTS limit
309b
No
Output message that cannot merge due to incompatible video formats
308
Examine GPRMs usage in first set of VTSs of first DVD-video data structure
310
Identify GPRMs available for second set of VTSs
312
Incorporate second set of VTSs into first DVD-video data structure
314
Modify VMG of first DVD-video data structure
316
End

Figure 4

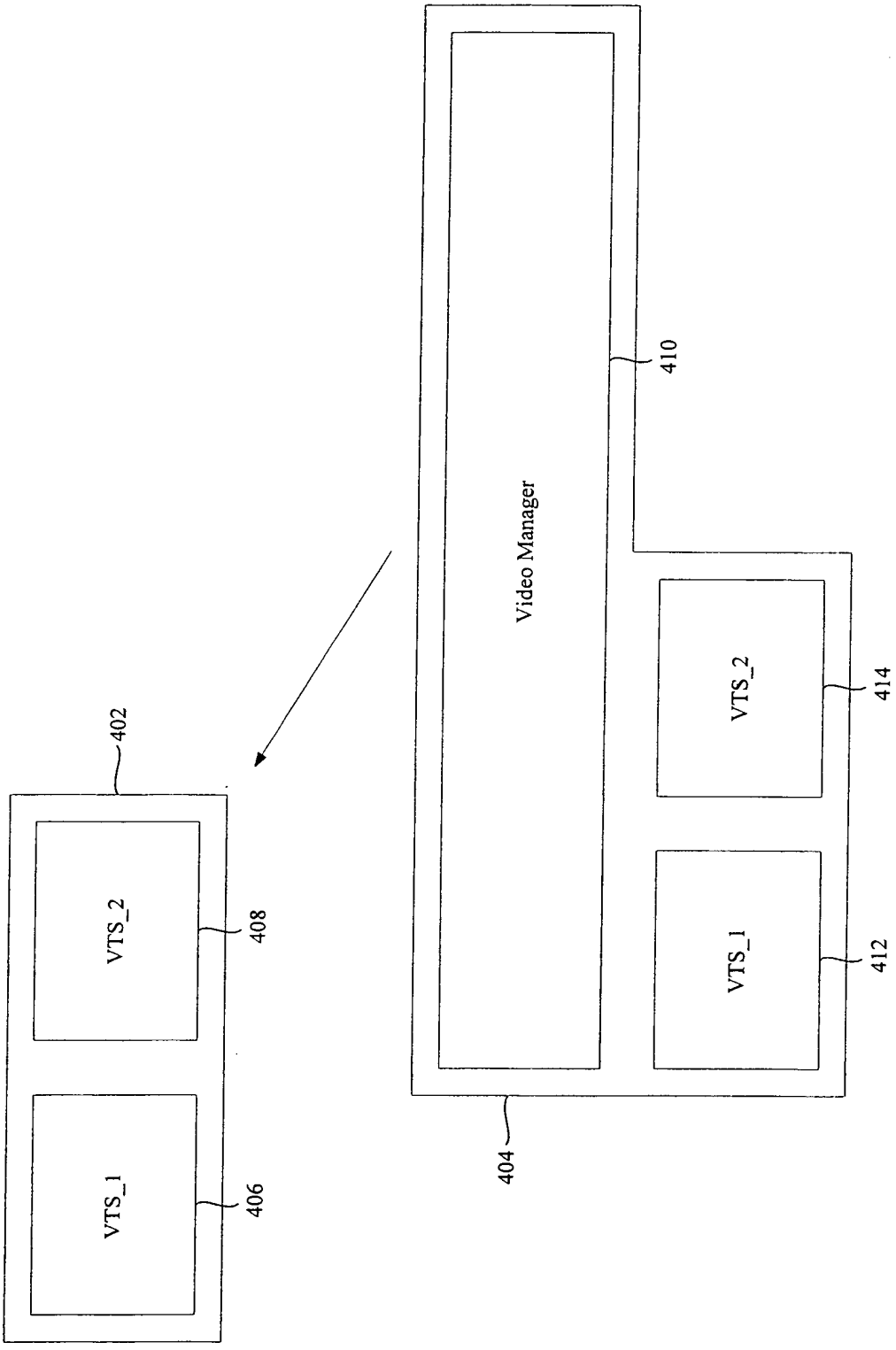
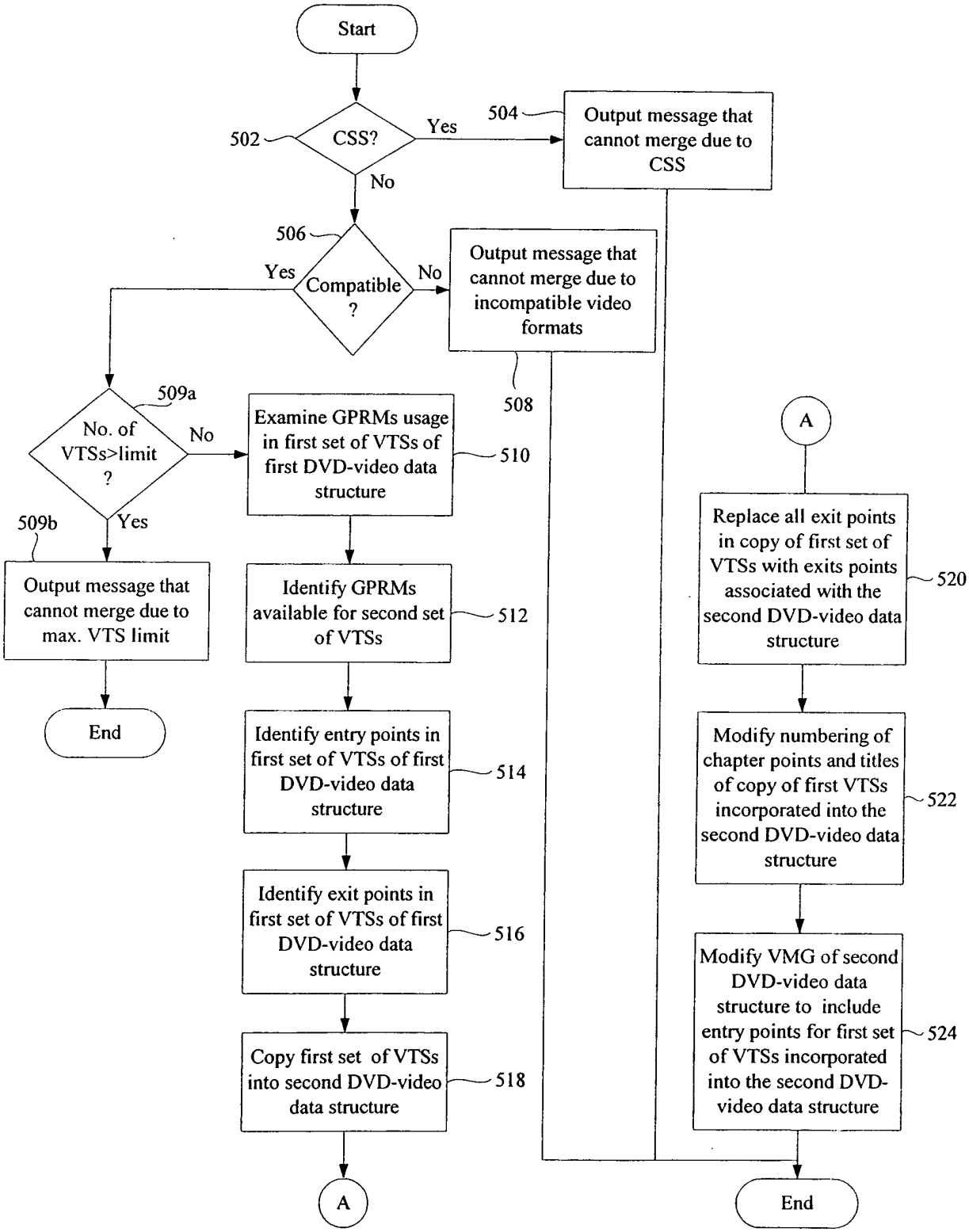


Figure 5


Start
CSS?
502
Yes
504
Output message that cannot merge due to CSS
No
506
Compatible ?
Yes
No
Output message that cannot merge due to incompatible video formats
508
No. of VTSs>limit ?
509a
No
Yes
509b
Output message that cannot merge due to max. VTS limit
End
Examine GPRMs usage in first set of VTSs of first DVD-video data structure
510
Identify GPRMs available for second set of VTSs
512
Identify entry points in first set of VTSs of first DVD-video data structure
514
Identify exit points in first set of VTSs of first DVD-video data structure
516
Copy first set of VTSs into second DVD-video data structure
518
A
A
Replace all exit points in copy of first set of VTSs with exits points associated with the second DVD-video data structure
520
Modify numbering of chapter points and titles of copy of first VTSs incorporated into the second DVD-video data structure
522
Modify VMG of second DVD-video data structure to include entry points for first set of VTSs incorporated into the second DVD-video data structure
524
End